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Safety Precautions

- Before using the printer, please ensure that you have read and understood the safety precautions described below. Always ensure that the printer is operated correctly.
- The safety precautions noted on the following pages are intended to instruct you in the safe and correct operation of the printer and its accessories to prevent injuries or damage to yourself, other persons and equipment.
- In the next few pages, the term "equipment" refers primarily to the printer and its power supply accessories.

Warnings

- Do not attempt to disassemble or alter any part of the equipment that is not expressly described in this guide. Internal inspections, alterations and repairs should be conducted by a qualified service personnel authorized by your printer distributor.
- Stop operating the equipment immediately if it emits smoke or noxious fumes. Failure to do so may result in fire or electrical shock. Immediately turn the printer's power off, remove the printer battery and unplug the power cord from the electrical outlet. Ensure that smoke or fume emissions have ceased. Please consult your printer distributor.
- Stop operating the equipment if it is dropped or the casing is damaged. Failure to do so may result in fire or electrical shock. Immediately turn the printer's power off, remove the printer battery and unplug the power cord from the electrical outlet.
- Do not allow the equipment to come into contact with, or become immersed in, water or other liquids. Do not allow liquids to enter the interior. The printer has not been waterproofed. If the exterior comes into

contact with liquids or salt air, wipe it dry with a soft, absorbent cloth. If water or other foreign substances enter the interior, immediately turn the printer's power off and remove the printer battery or unplug the power cord from the electrical outlet. Continued use of the equipment may result in fire or electrical shock.

- Do not use substances containing alcohol, benzene, thinners or other flammable substances to clean or maintain the equipment. The use of these substances may lead to fire.
- Remove the power cord on a regular periodic basis and wipe away the dust and dirt that collects on the plug, the exterior of the electrical outlet and the surround area. In dusty, humid or greasy environments, the dust that collects around the plug over long periods of time may become saturated with humidity and short-circuit leading to fire.
- Do not cut, damage, alter or place heavy items on the power adapter cord. Any of these actions may cause an electrical short circuit, which may lead to fire or electrical shock. Replace a broken or damaged power adapter cord.
- Do not handle the power cord if your hands are wet. Handling it with wet hands may lead to electrical shock.
- Use of power sources not expressly recommended for this equipment may lead to overheating, distortion of the equipment, fire, electrical shock or other hazards. Use only the recommended power accessories.
- Do not place the batteries near a heat source or expose them to direct flame or heat. Such exposure may damage the batteries and lead to the leakage of corrosive liquids, fire, electrical shock, explosion or serious injury. Do not immerse the batteries in water.

- Do not attempt to disassemble, alter or apply heat to the batteries. There is serious risk of injury due to an explosion. Immediately flush with water any area of the body – including the eyes and mouth, or clothing – that comes into contact with the inner contents of a battery. If the eyes or mouth contact these substances, immediately flush with water and seek medical assistance.
- Avoid dropping or subjecting the batteries to severe impacts that could damage the casings. It could lead to leakage and injury.
- Do not short-circuit the battery terminals with metallic objects, such as key holders. It could lead to overheating, burns and other injuries. Use the supplied terminal cover to transport or store the battery pack.
- Before you discard a battery, cover the terminals with tape or other insulators to prevent direct contact with other objects. Contact with the metallic components of other materials in waste containers may lead to fire or explosions. Discard the batteries in specialized waste facilities if available in your area.
- Use of batteries that are not expressly recommended for this equipment may cause explosions or leaks, resulting in fire, injury and damage to the surroundings. Use only recommended batteries and accessories.
- Disconnect the power adapter from both the printer and electrical outlet after recharging and when the printer is not in use to avoid fire and other hazards. Continuous use over a long period of time may cause the unit to overheat and distort, resulting in fire.

Cautions

- Avoid using, placing or storing the equipment in places subject to strong sunlight or high temperatures, such as the dashboard or trunk (boot) of a car.

Exposure to intense sunlight and heat may cause the batteries to leak, overheat or explode, resulting in fire, burns or other injuries. High temperatures may also cause deformation of the casing. Ensure that there is good ventilation when using the compact power adapter to charge the battery pack or power the printer.

- Do not store the equipment in humid or dusty areas. Storage in such areas could lead to fire, electrical shock or other damage.

Preventing Malfunctioning

Avoid Strong Magnetic Fields

Never place the printer in close proximity to electric motors or other equipment generating strong electromagnetic fields. Exposure to strong magnetic fields may cause malfunctions.

Avoid Condensation Related Problems

Moving the equipment rapidly between hot and cold temperatures may cause condensation (water droplets) to form on its external and internal surfaces.

If Condensation Forms Inside the Printer

Stop using the printer immediately if you detect condensation. Continued use may damage the equipment. Remove the battery or disconnect the power adapter (if connected) from the printer and wait until the moisture evaporates completely before resuming use.

Unpacking the printer

Remove the printer from its carton being careful not to damage the packing material so that it may be re-used if the printer is to be transported in the future.

Make sure that all the components illustrated on the inside of the packing box are present and that there are no signs of damage. If any, contact Customer Service.

Printer Modules

The MPP101 Printer main modules are:

(See **Figure 1** and **Figure 2**)

1. Base
2. Cover
3. Paper Bin
4. Printer Unit
5. Status Led
6. Multifunctional Button

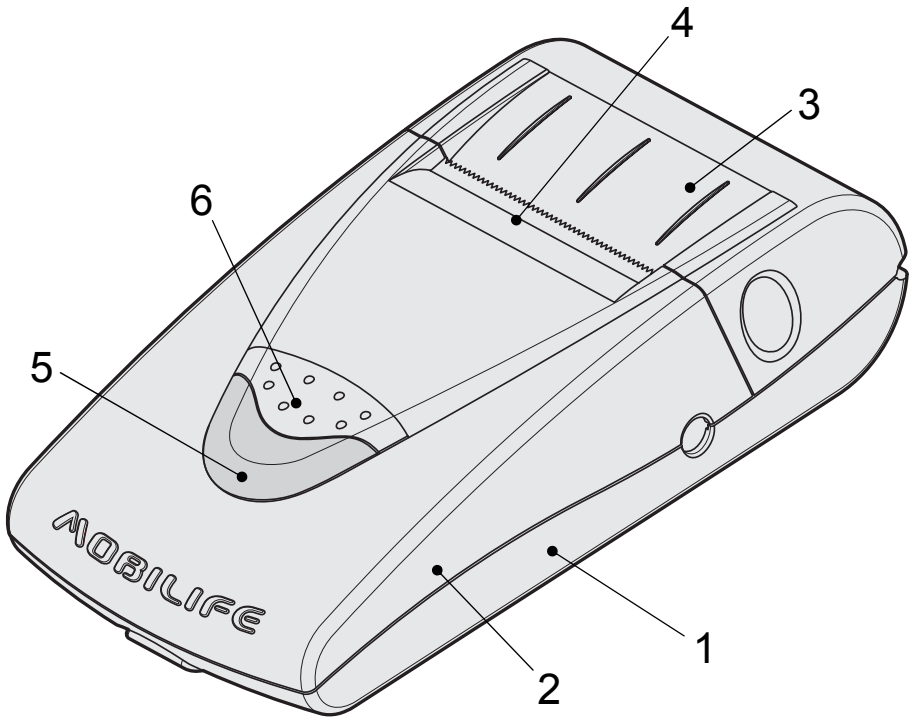

Figure 1. Top View

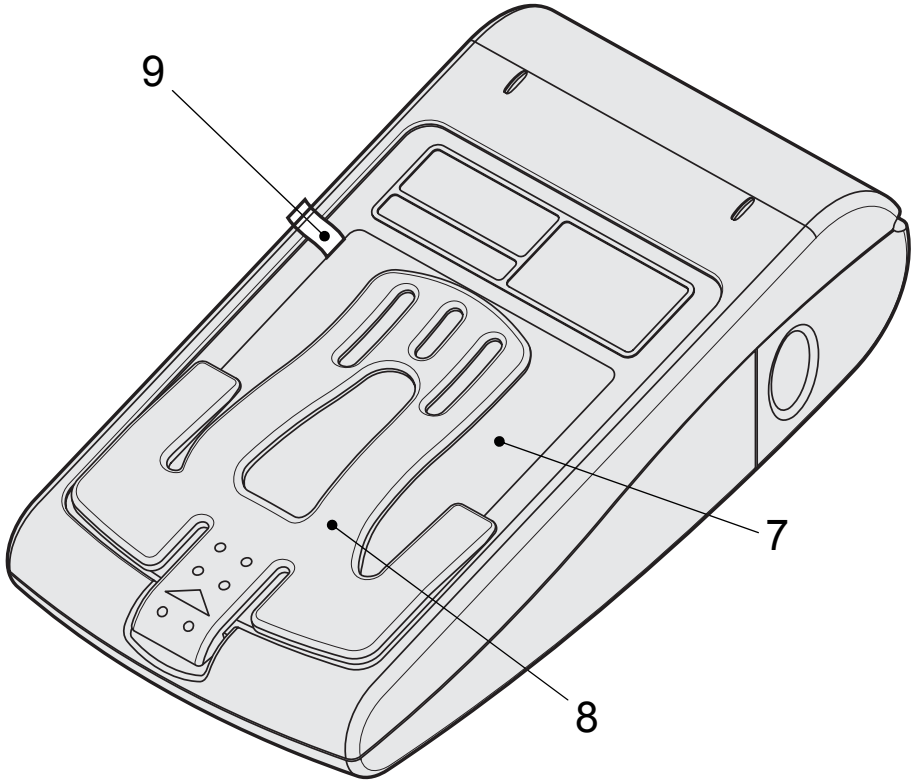

Figure 2. Bottom View

7. Battery Compartment
8. Belt Clip
9. Battery Fresh Seal

Setting Up

Removing the Battery Fresh Seal

To start operating the printer, pull out the battery fresh seal as shown on **Figure 3**.

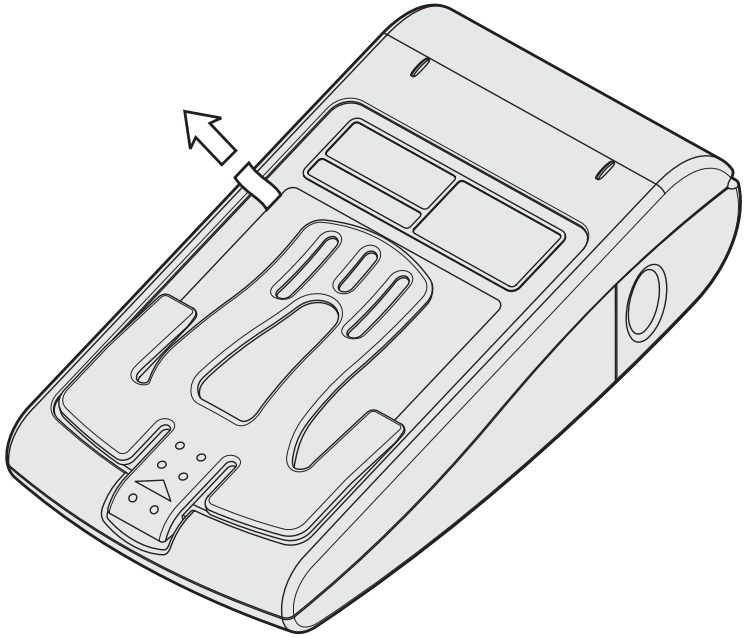

Figure 3. Removing the Battery Fresh Seal

Charging the Batteries

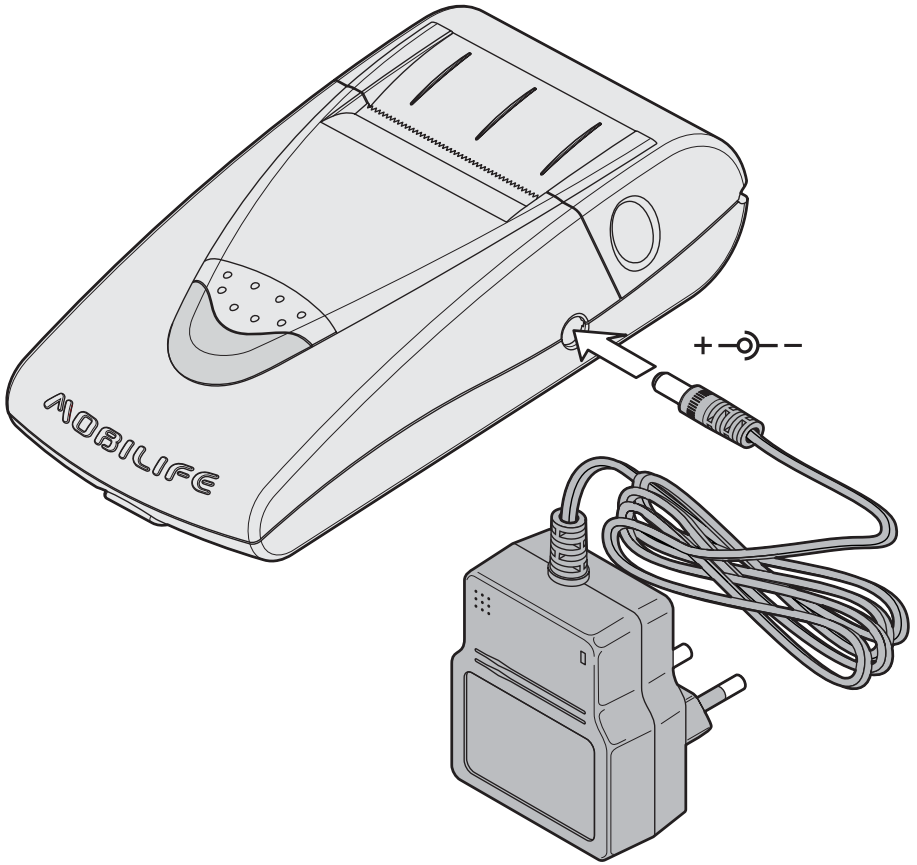

Figure 4. Connect the Power Supply Adapter

Plug the Power Supply Adapter into the mains outlet and connect it to the MPP101 printer as shown on **Figure 4**.

Make sure the temperature is within the 0 - 40°C range!

The batteries are charged 80% in 1.5 hours and completely in 3h.

It is highly recommended to avoid printing, while charging the batteries!

Turning the Printer On and Off

The printer is turned on by pressing the Multifunctional Button and turns automatically off if hasn't been used for more than a minute.

Self Test

A self test is performed by double pressing quickly the Multifunctional Button.

LED Indication

LED status	Description
Off	Printer Off
Blinking Red	Batteries need recharging
Blinking Red and Green Together	Connection in progress
Lit Red	Paper Out
Blinking Green *(Duty 10%)*	Printer On / Charge Finished
Blinking Green *(Duty 80%)*	Fast Charge in progress
Blinking Green *(Duty 40%)*	Fast Charge finished; Trickle Charge in progress

Bluetooth Connection Range

To establish a proper communication with the printer, it should be placed not far than 10 m from the Bluetooth antenna of the device as shown on **Figure 5**.

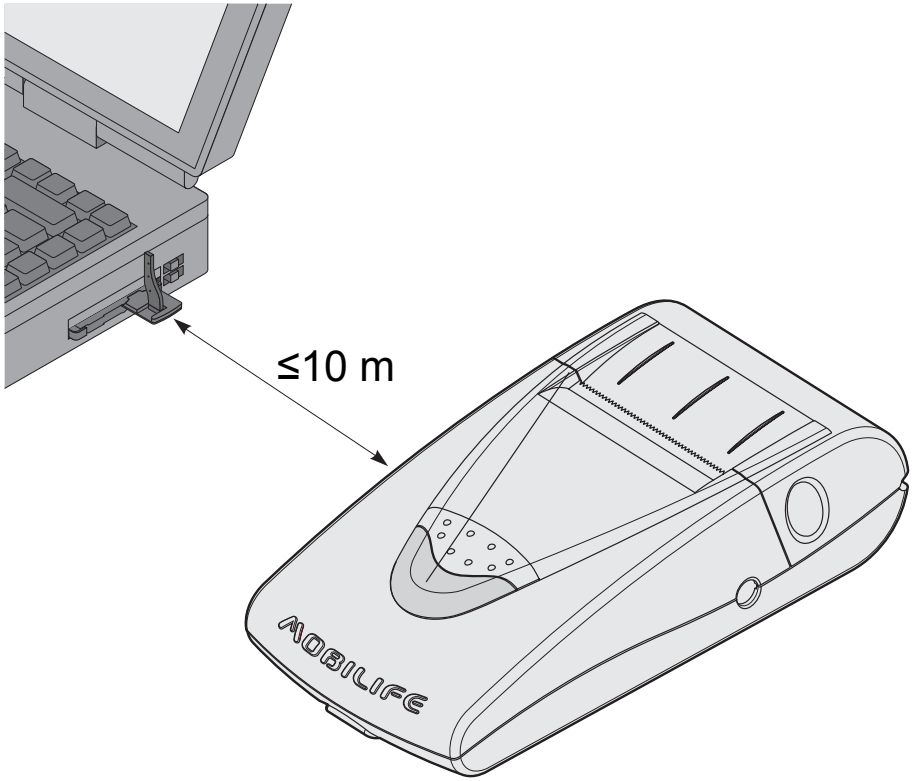

Figure 5. Bluetooth Connection Range

Changing the Paper Roll

Open the Paper Bin pressing the two sides of the cover as shown on **Figure 6**.

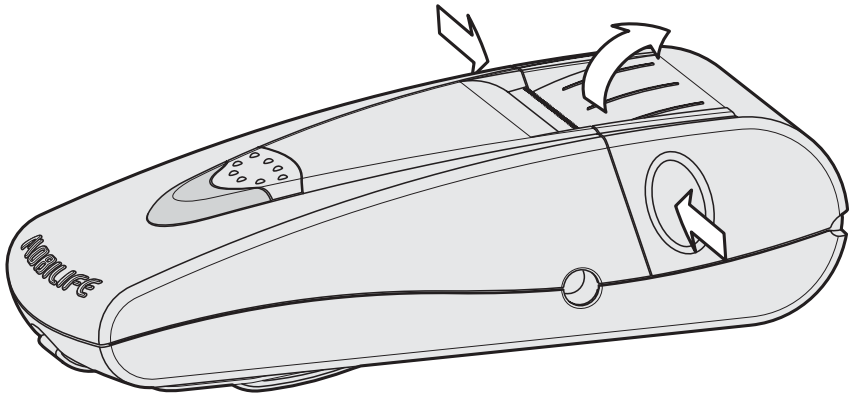

Figure 6. Opening the Paper Bin

Remove the remaining of the used paper and insert a new paper roll into the bin as indicated on **Figure 7**.

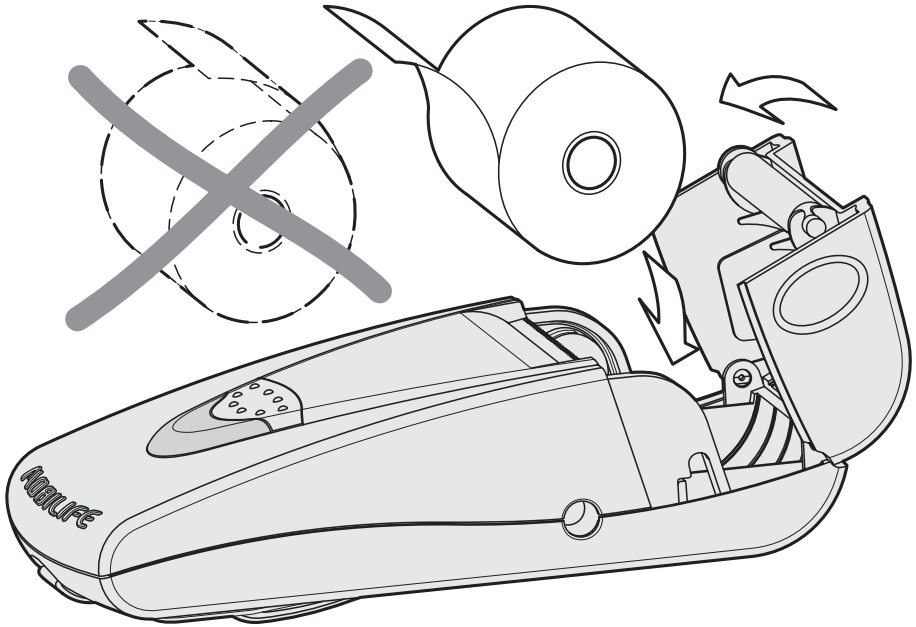

Figure 7. Loading the Paper Roll

Close the cover and pull out a little of the paper as displayed on **Figure 8**.

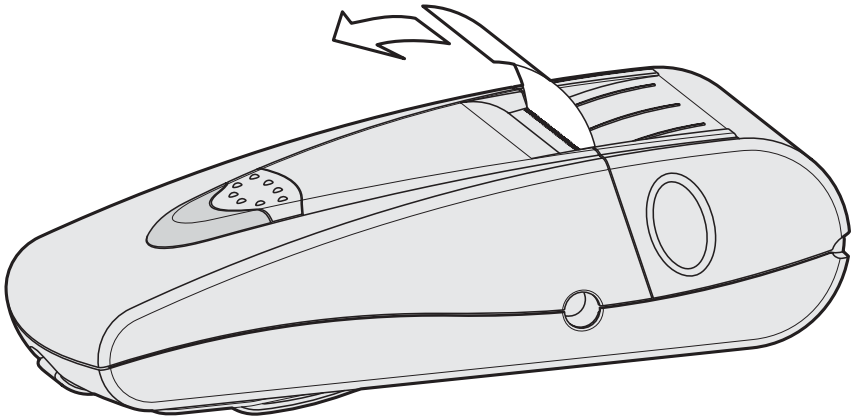

Figure 8. Pulling Out the Paper

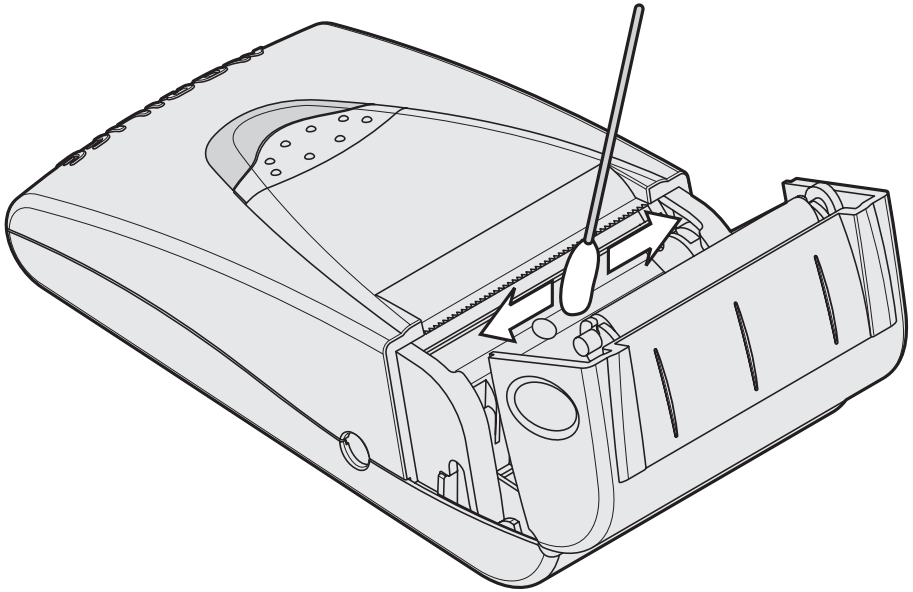

Figure 9. Cleaning the Print Head

Cleaning the Print Head

Disconnect the printer from the power supply adapter.

Open the paper bin cover. If a paper roll is loaded, remove it.

Do not clean the head immediately after printing; the head may be hot.

Clean the heating element of the head with a cotton swab moistened with an alcohol solvent (ethanol, methanol, or IPA).

Never touch the head; oils on your skin can damage the head.

Reload paper roll and close the printer cover.

Changing the Batteries

Remove the belt clip as shown on **Figure 10**.

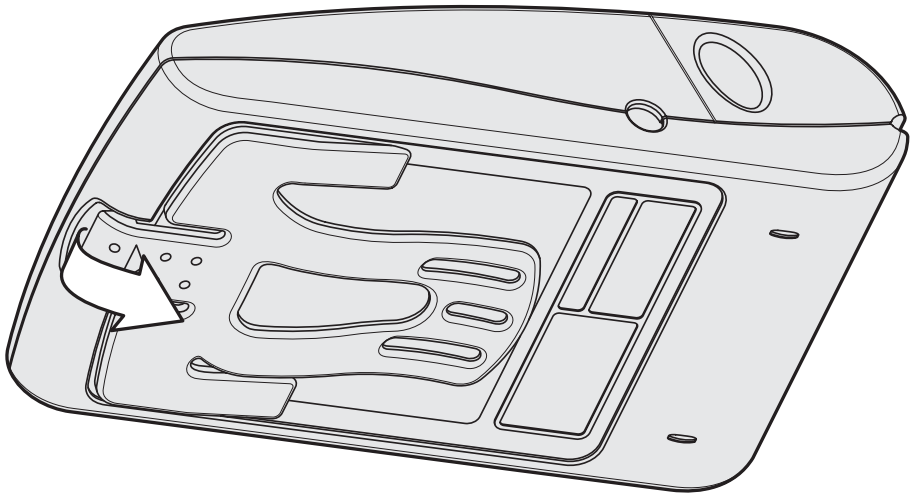

Figure 10. Removing the Belt Clip

Open the battery compartment as shown on **Figure 11**.

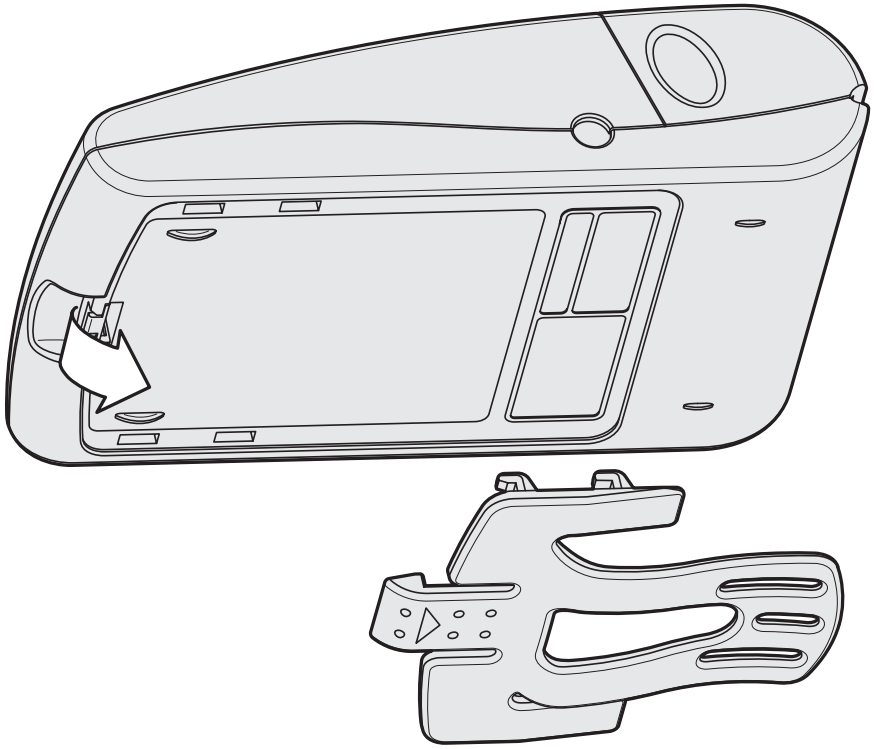

Figure 11. Opening the Battery Compartment

Insert the batteries as displayed on **Figure 12**.

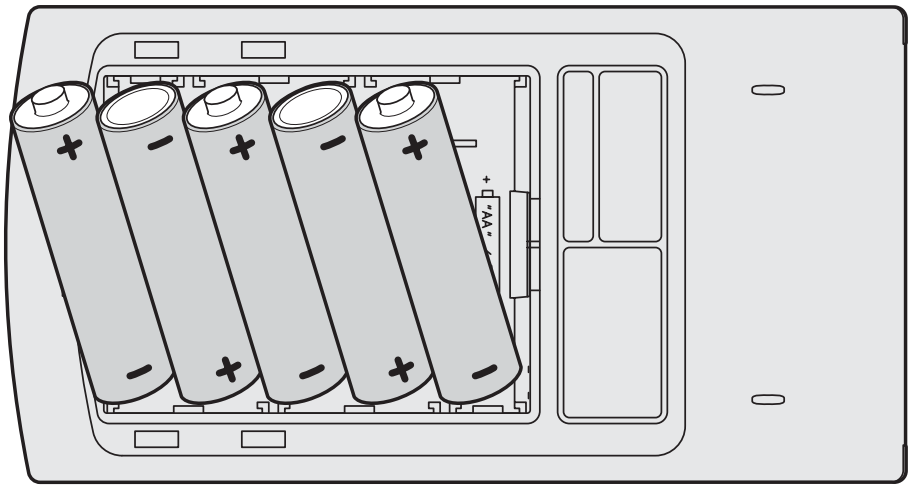

Figure 12. Placing the Batteries

Close the battery compartment and attach the belt clip pushing it to the printer base and sliding it till a click is heard (See **Figure 13**).

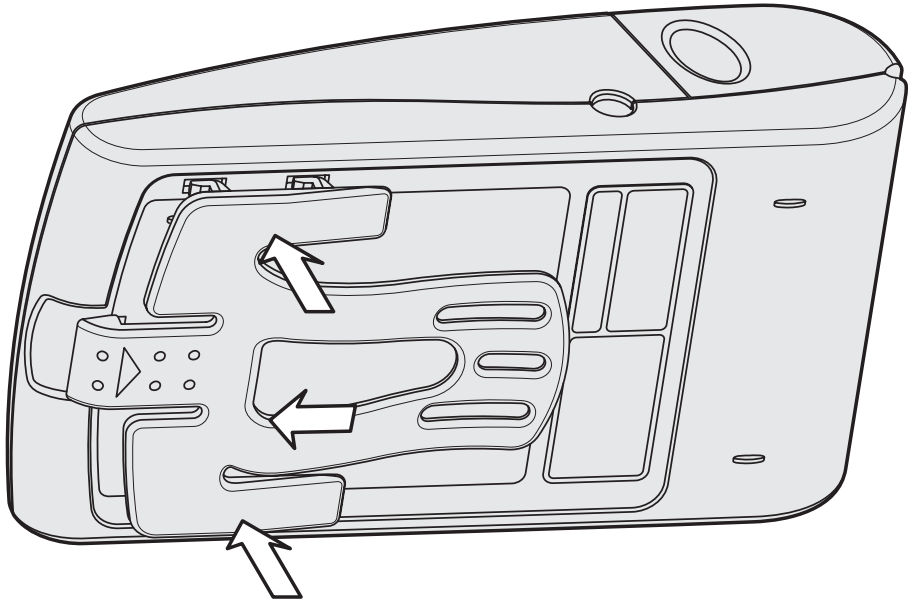

Figure 13. Attaching the Belt Clip

Problem	Check	State	Action
Printer does not turn on	Battery fresh seal?	In place	Remove it!
	Are the batteries in place?	No batteries	Install Batteries!
	Batteries charge level?	Discharged	Charge the batteries!
Selftest does not work	Paper roll position?	No paper	Place a new paper roll!
		Placed backward	Install it properly!
		Blocked	Fix it!
	Cover position?	Not closed	Close it!
	Error indication?	No paper indication	Press the button!
	Print out?	Light, abnormal	Charge the batteries!
Charging does not start	Environmental conditions?	Bellow 0°C	Ensure specified conditions!
		Over 40°C	
	Power adaptor position?	Not proper	Fix it!
	Power jack position?	Not proper	Fix it!
Charging with problems	Unit heats up?	Excessively	Stop charging! Possible malfunction.
	Fast charge time?	More than 2 hours	
Connection cannot be established	Printer state?	Turned off	Turn it on!
	Distance to the printer?	Higher than 10 m	Take the printer closer!
	Software Settings?	Not correct	Correct the settings!
Data prints incorrectly	Software settings?	Not correct	Correct the settings!

Installation Instructions

Windows 2000/XP Operating System

Step 1. Unzip the installation file **install.zip** into a folder of your choice.

Step 2. Go to the **Printers and Faxes** folder (**Start** » **Settings** » **Printers and Faxes**) and select **Add a printer**.

The **Add Printer Wizard** opens (see **Figure 14**).

Step 3. Select **Local Printer attached to this computer** and press the **Next** button (**Automatically detect and install my Plug and Play printer** should not be checked).

The following dialog box (see **Figure 15**) will ask you to select a printer port.
Refer to your Bluetooth manager to determine, which COM port is assigned for a printer port.

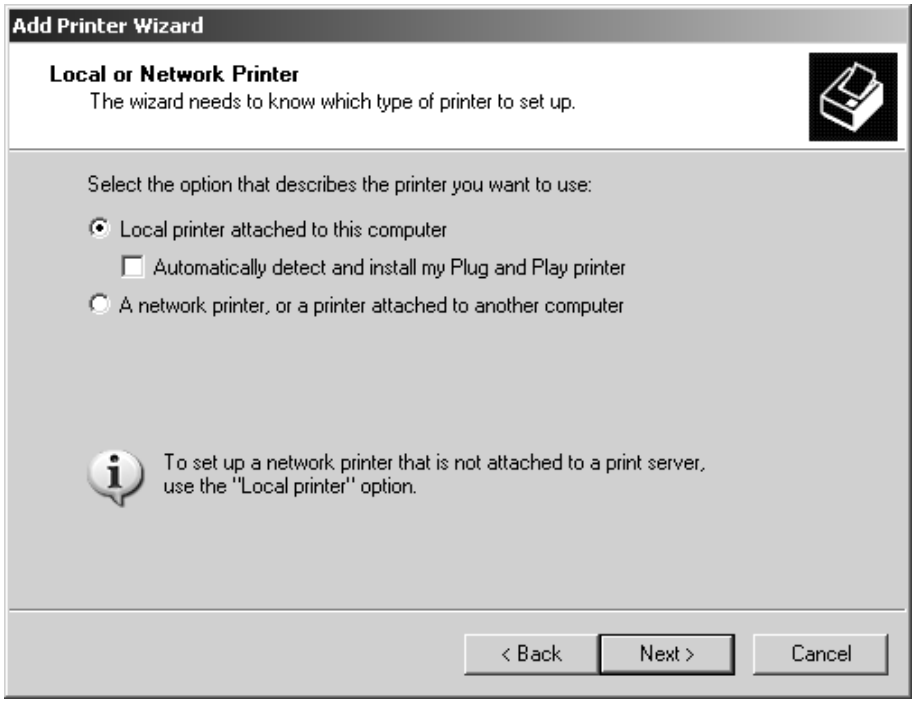
Add Printer Wizard
Local or Network Printer
The wizard needs to know which type of printer to set up.
Select the option that describes the printer you want to use:
Local printer attached to this computer
Automatically detect and install my Plug and Play printer
A network printer, or a printer attached to another computer
To set up a network printer that is not attached to a print server, use the "Local printer" option.
< Back
Next >
Cancel

Figure 14. Selecting Local or Network Printer

Step 4. Select the respective COM port and press the **Next** button.

The next dialog box (see **Figure 16**) will ask you to select a printer driver.

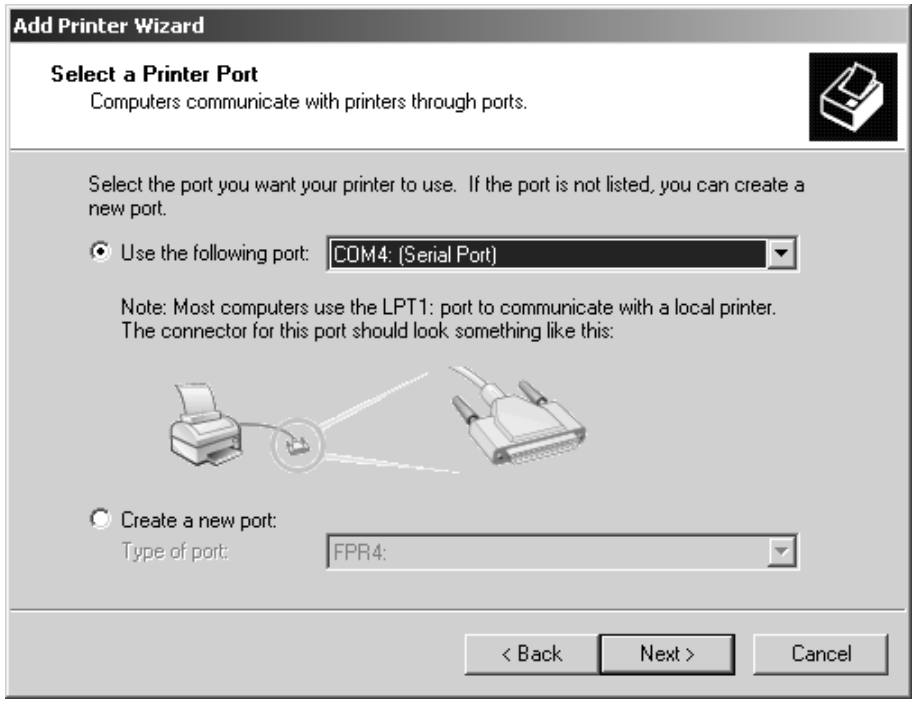
Add Printer Wizard
Select a Printer Port
Computers communicate with printers through ports.
Select the port you want your printer to use. If the port is not listed, you can create a new port.
Use the following port:
COM4: (Serial Port)
Note: Most computers use the LPT1: port to communicate with a local printer. The connector for this port should look something like this:
Create a new port:
Type of port:
FPR4:
< Back
Next >
Cancel

Figure 15. Select a Printer Port

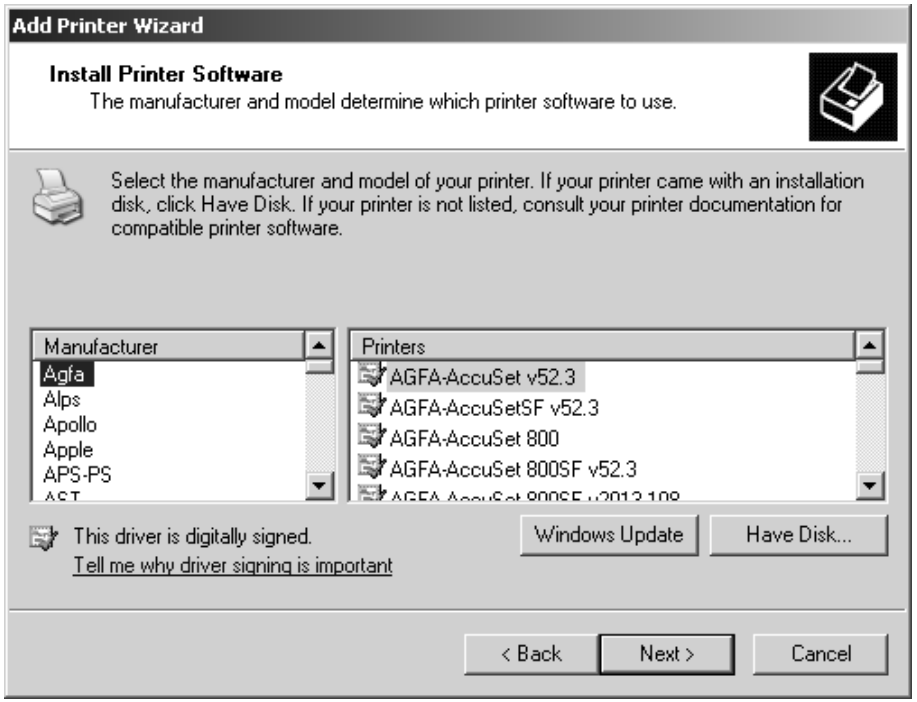
Add Printer Wizard
Install Printer Software
The manufacturer and model determine which printer software to use.
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.
Manufacturer
Agfa
Alps
Apollo
Apple
APS-PS
Printers
AGFA-AccuSet v52.3
AGFA-AccuSetSF v52.3
AGFA-AccuSet 800
AGFA-AccuSet 800SF v52.3
This driver is digitally signed.
Tell me why driver signing is important
Windows Update
Have Disk...
< Back
Next >
Cancel

Figure 16. Install Printer Software

Step 5. Press the **Have Disk** button. Browse to the folder, where the **install.zip** file was unzipped (See **Step 1.**), select the **mpp100.inf** file and press the **OK** button.

Step 6. Select **MPP100** in the next dialog box and press the **Next** button.

If you are using Windows XP, you will be warned that the driver is not signed and will be asked to confirm the installation.

Operating Instructions

Windows 2000/XP Operating System

Before start printing with MPP101 you need to change the port settings in the printer driver properties:

Step 1. Go to the **Printers and Faxes** folder (**Start** » **Settings** » **Printers and Faxes**) right-click on the **MPP100** printer and select **Properties**.

The **MPP100 Properties** window opens (see **Figure 17**).

Step 2. Click on the **Ports** tab (See **Figure 18**).

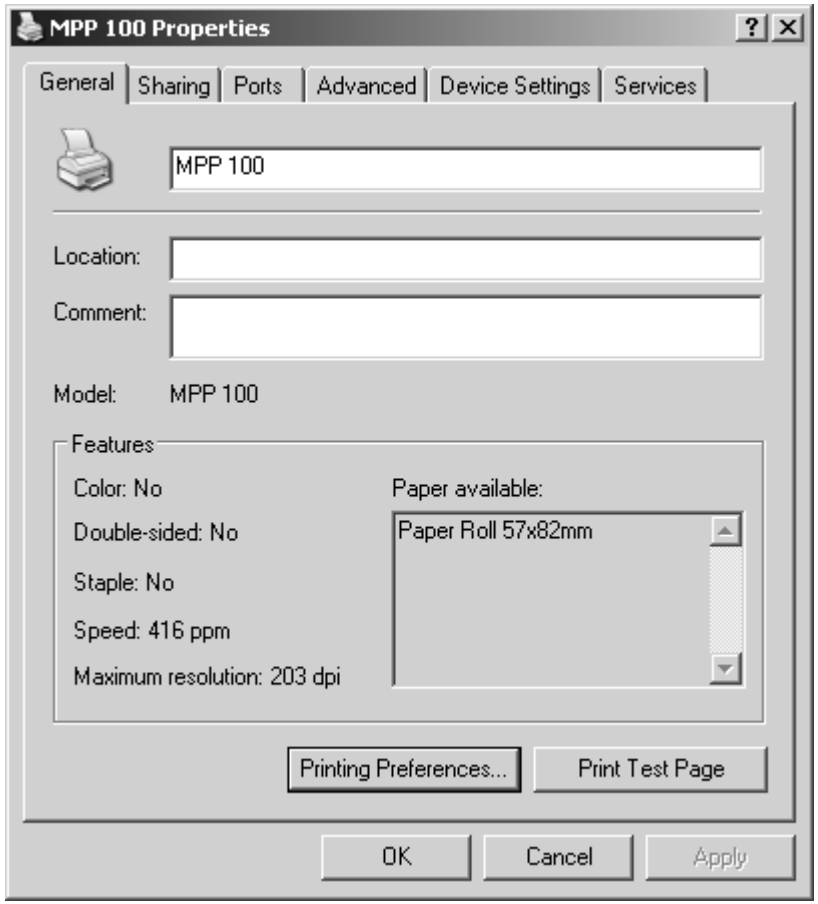

Figure 17. MPP100 Properties

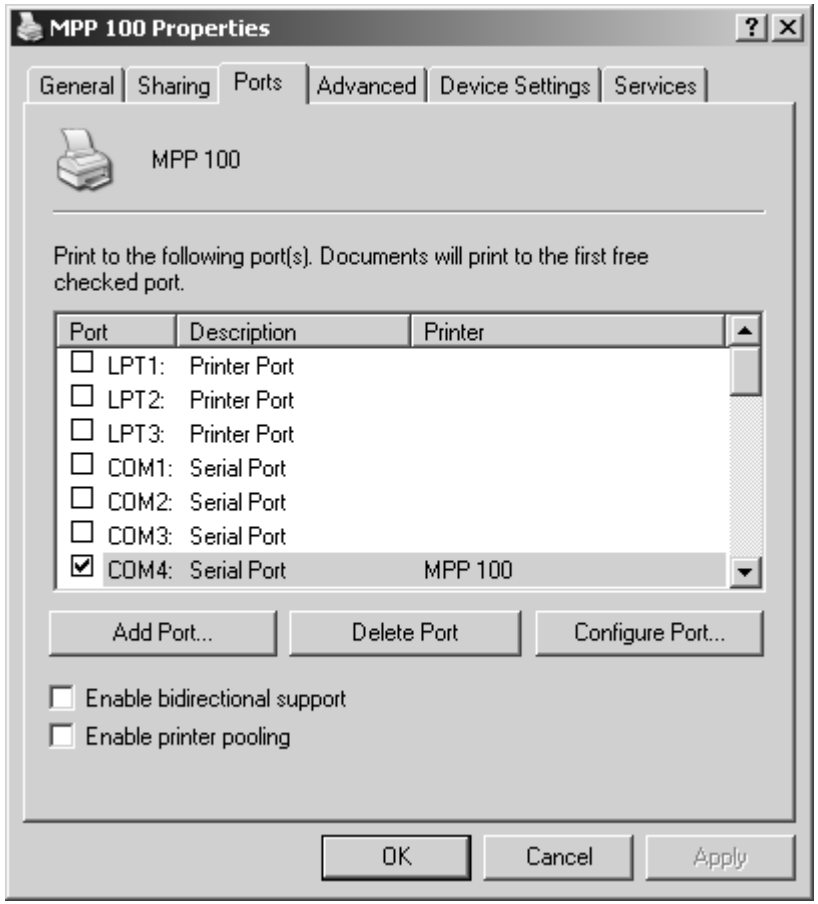

Figure 18. Ports Properties

Step 3. Disable the bidirectional support (**Enable bidirectional support should** not be checked).

The rest of the MPP100 properties can be set as of the other Windows printer drivers.

TECHNICAL SPECIFICATIONS

Print Method	**Thermal dot line printing**
Number of dots/line	**384**
Printing Width (mm)	**48 mm**
Dots density (dot/mm)	**8**
Paper roll size (mm)	**W: 57 +0/-1; D: 35**
Recommended paper	**KF50-HDA or equivalent**
Character fonts (dot x dot)	**2 Downloadable (12 x 24) / (8 x 24)**
Print Styles	**Normal, Double Height, Double Width**
Number of characters/line	**16, 24, 32, 48**
Graphics resolution (dpi)	**203**
Paper end detection	**Photo-interrupter**
Communication Interface	**Bluetooth**
Bluetooth Profile supported	**SPP**
Drivers available	**Windows 2000/XP**
Baud Rates (bits/s)	**115200**
Print Buffer (KBytes)	**8**
Flash Memory (KBytes)	**128**

Graphics logos (bit x dot)	**3 x (384 x 240)**
Printing speed (mm/s)	**up to 70***
Power supply	**5 NiMh rechargeable batteries 1.3 A/H**
Charging the batteries	**External adaptor, 12 V / 1.25 A,** +⊸−
Operating temperature range (°C)	**0 / +50**
Operating humidity (RH%)	**20 – 85 (no condensation)**
Storage temperature range (°C)	**-15 / +70**
Storage humidity (RH%)	**10 – 90 (no condensation)**
Paper cover opening angle (°)	**80**
Dimensions (mm)	**115 mm x 74 mm x 40 mm**
Weight (without the paper roll) (gr)	**310**

* It depends on the communication speed, the printing typology, the battery condition and the temperature.